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## Climate change in Alaskan Native communities: lessons learned in adaptation and resilience

Sarah M. McLarnan

*College of Saint Benedict/Saint John's University, [smmclarnan@csbsju.edu](mailto:smmclarnan@csbsju.edu)*

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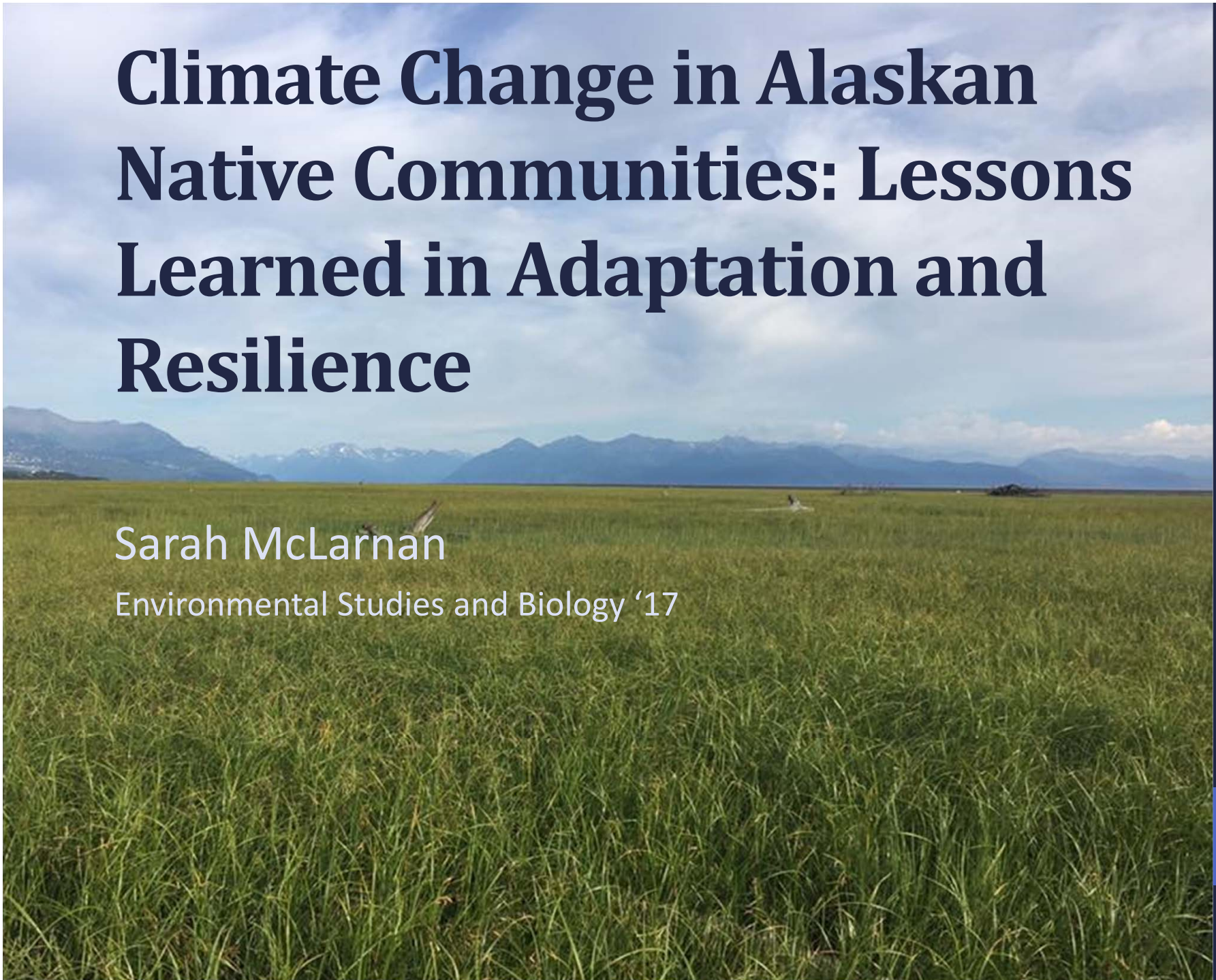
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# Climate Change in Alaskan Native Communities: Lessons Learned in Adaptation and Resilience

Sarah McLarnan

Environmental Studies and Biology '17



# Outline

- Alaska
- Alaskan Natives
- Climate change in Alaska
- Adaptation
- Resilience
- Outlook
- Questions

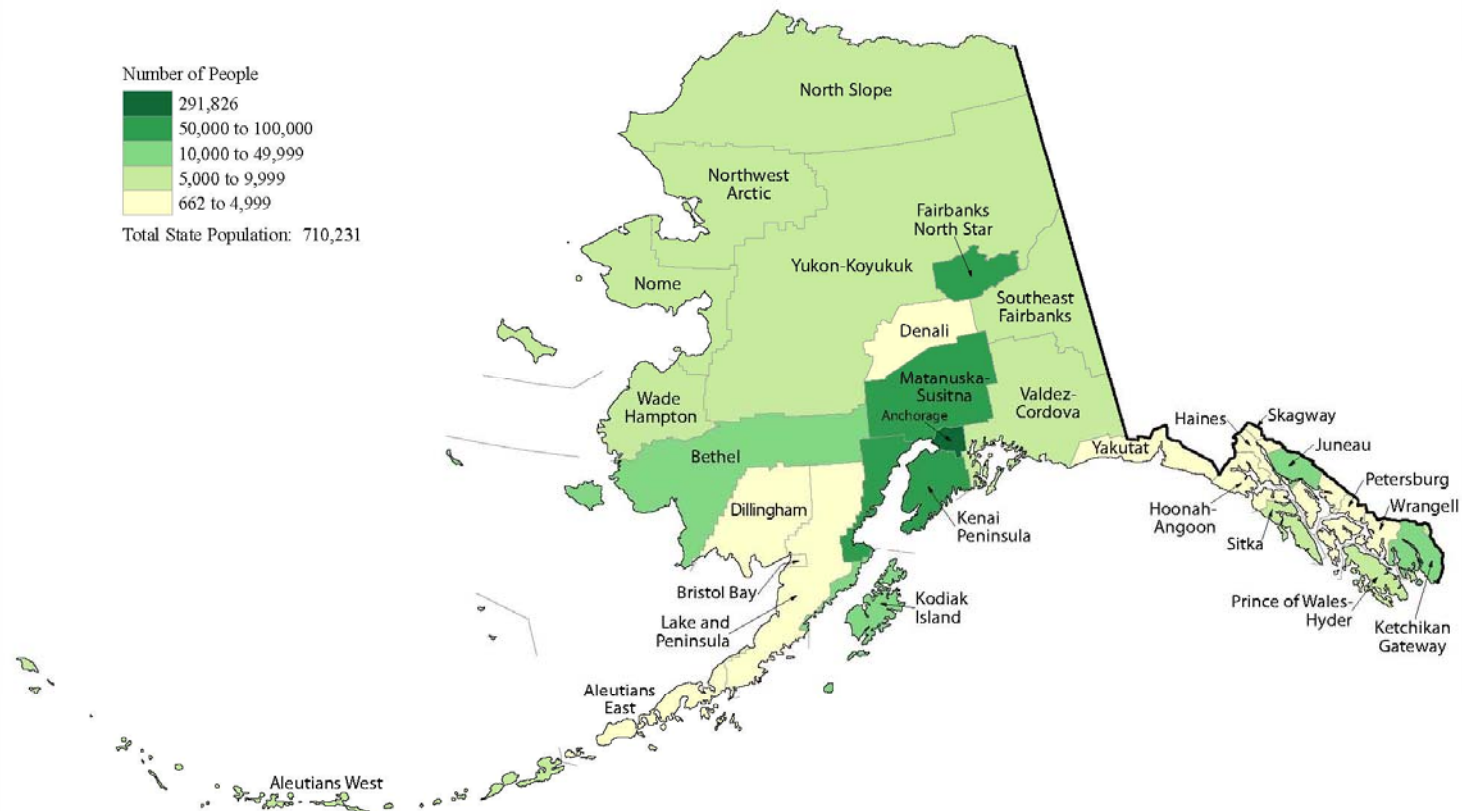
## ALASKA - 2010 Census Results

### Total Population by County Equivalent

Number of People



Total State Population: 710,231

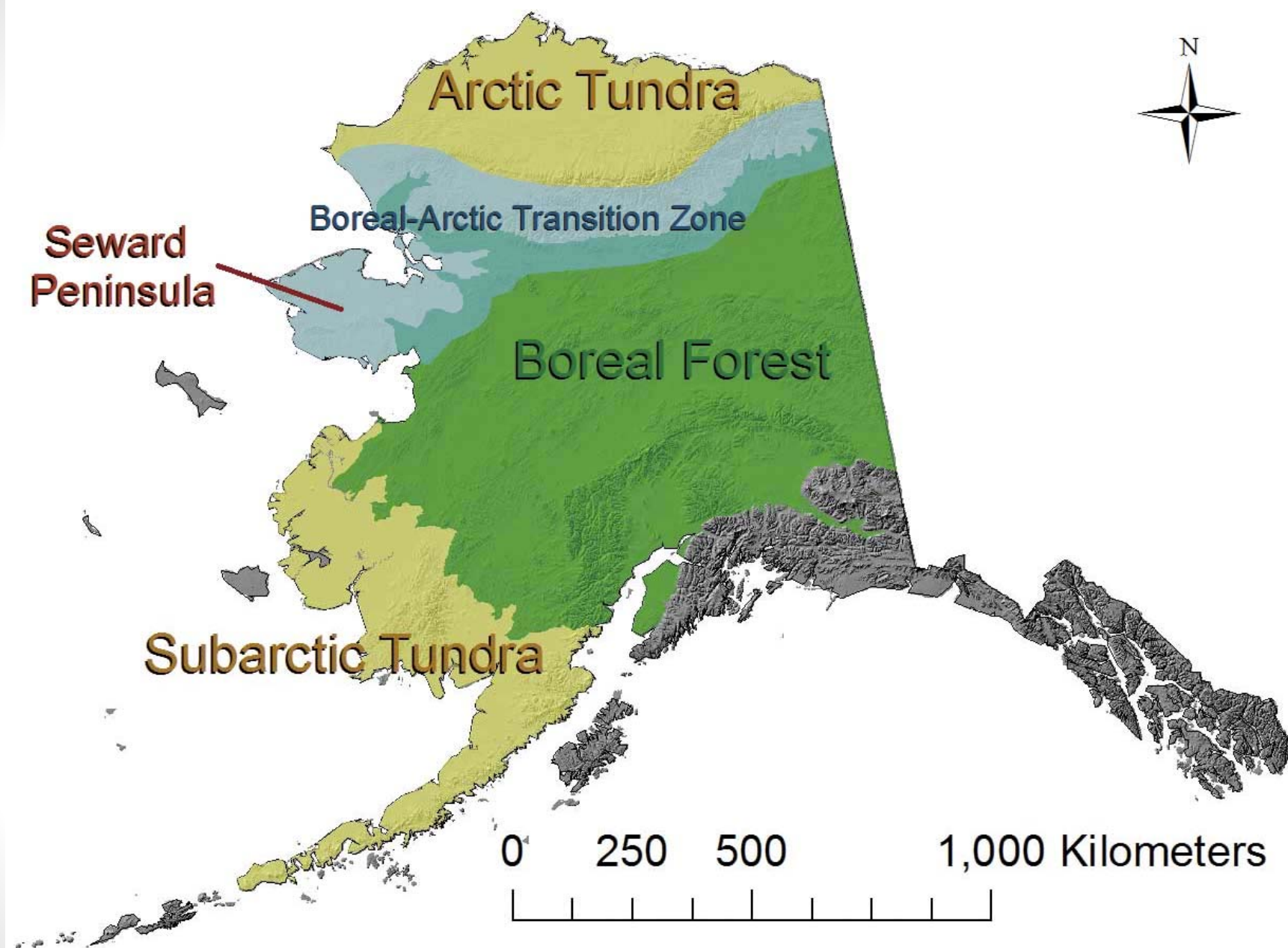


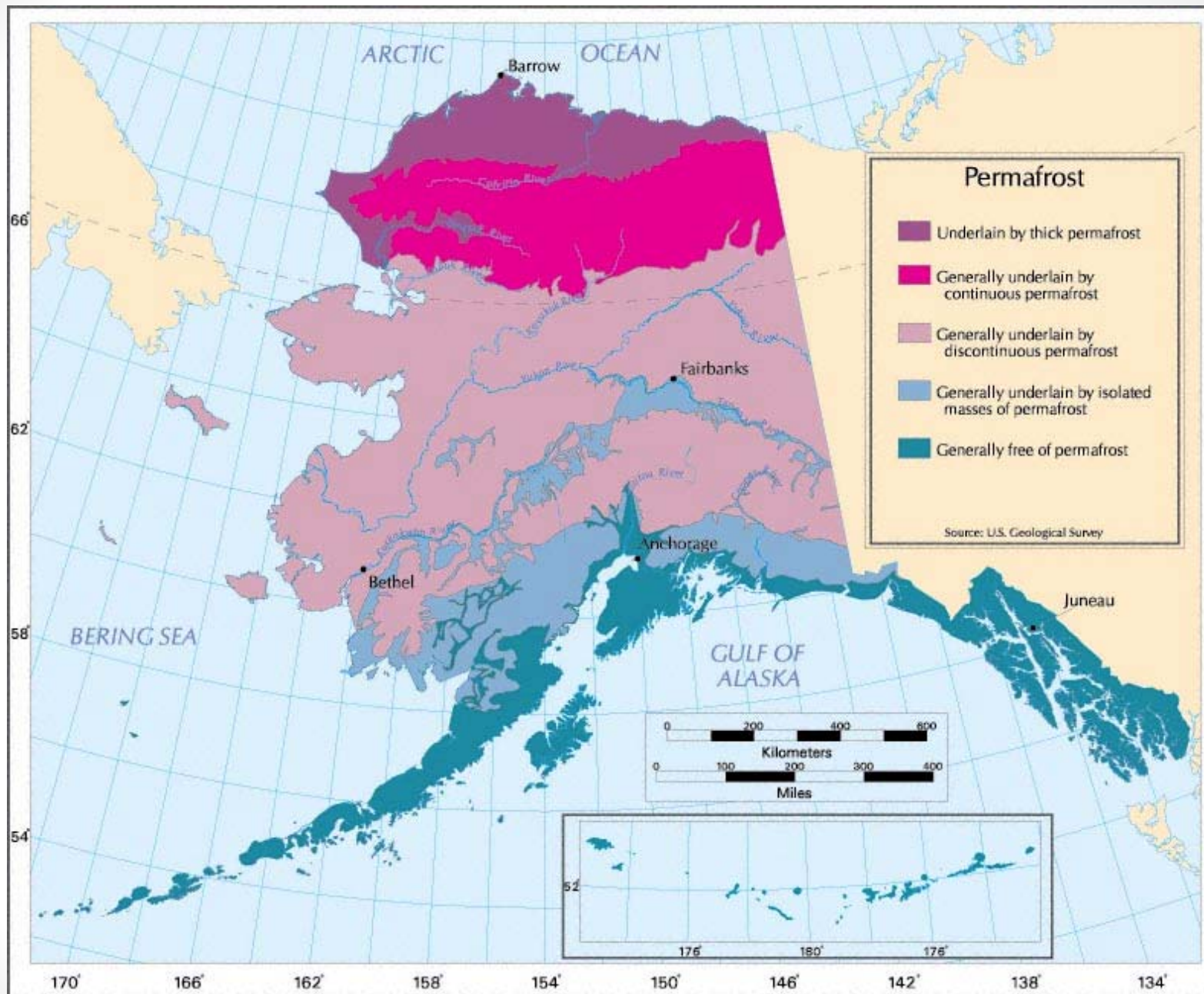
Source: U.S. Census Bureau, 2010 Census Redistricting Data Summary File  
For more information visit [www.census.gov](http://www.census.gov).

United States<sup>™</sup>  
**Census**  
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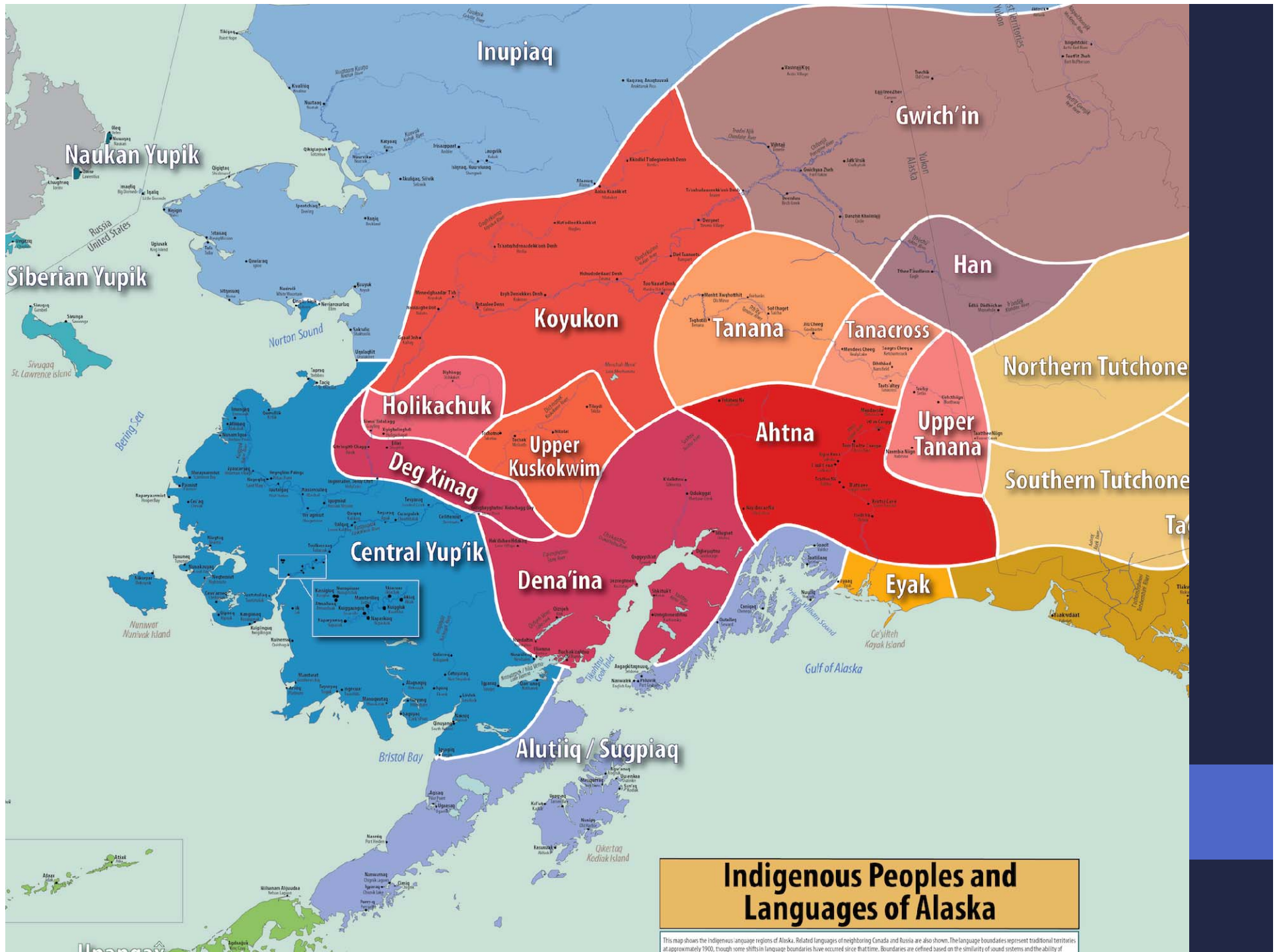
















# CLIMATE CHANGE

- Rate of warming
- Melting permafrost
- Erosion
- Altered pattern of subsistence resources
- Decreased winter sea ice
- Poor air quality
- Increased forest fires
- Severe storms
- Flooding



# Adaptation vs. Resilience

## Adaptation

Short term

Way of behaving

SURVIVE

Measurable

Infrastructure, relocation,  
emergency preparedness, jobs  
and the economy

V.S.

## Resilience

Long term

Way of thinking

THRIVE

Abstract

Safety, happiness, beauty,  
hope, energy





# Resilience

- Sense of safety
- Connected community
- Relationship with place
- Beauty
- Hope



# QUESTIONS?

Sarah McLarnan: [smmclarnan@csbsju.edu](mailto:smmclarnan@csbsju.edu)

